

# LARGE MAP SUPPLEMENT

New River Valley



Hazard Mitigation Plan

2004

**For the Counties of Floyd, Giles, Montgomery and Pulaski, the City of Radford,  
and the Towns of Blacksburg, Christiansburg, Glen Lyn, Narrows, Pearisburg, Pembroke, Pulaski, and Rich Creek**

Directed by the  
New River Valley Hazard Mitigation Work Group

New River Valley Planning District Commission

Funding through the **Virginia Department of Emergency Management**  
from the **Federal Emergency Management Agency**

*Research Assistance provided by Service Training for Environmental Progress interns: Theresa Kanter, Renee Sigmon, Toby Jeuter and Zhou Daquan.*



**Existing and Future Land Use Maps**

**Flood Risk-Assessment Maps**

**Drought Assessment Maps (Floyd County only)**



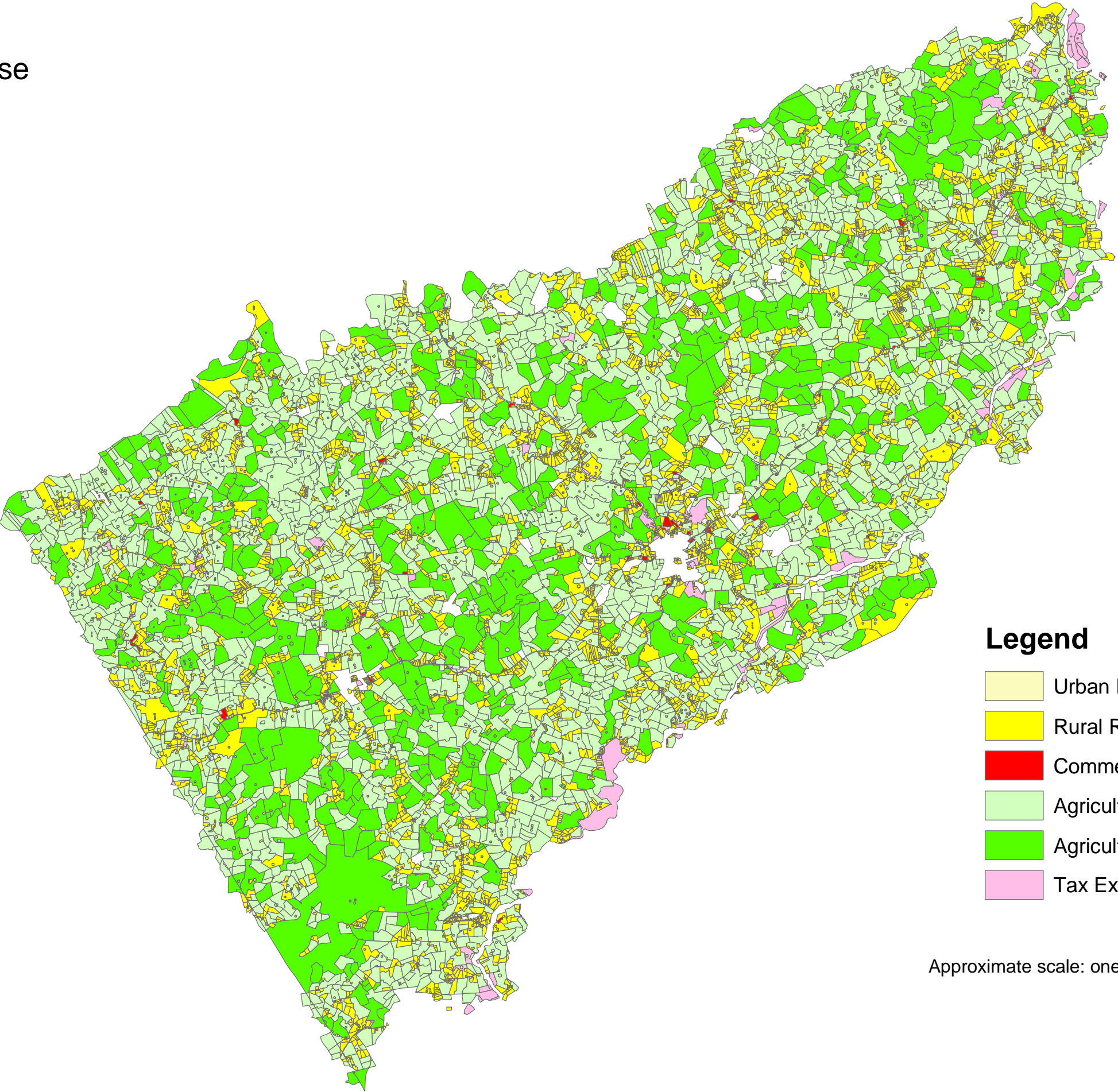
**Existing and Future Land Use Maps**

*These maps have slightly different names, based on titles used in their Comprehensive Plan, but in general there is a map representing existing land use and future land use for each of these major jurisdictions:*

- Floyd County**
- Giles County**
- Montgomery County**
- Pulaski County**
- City of Radford**



Floyd County  
Existing Land Use



Legend

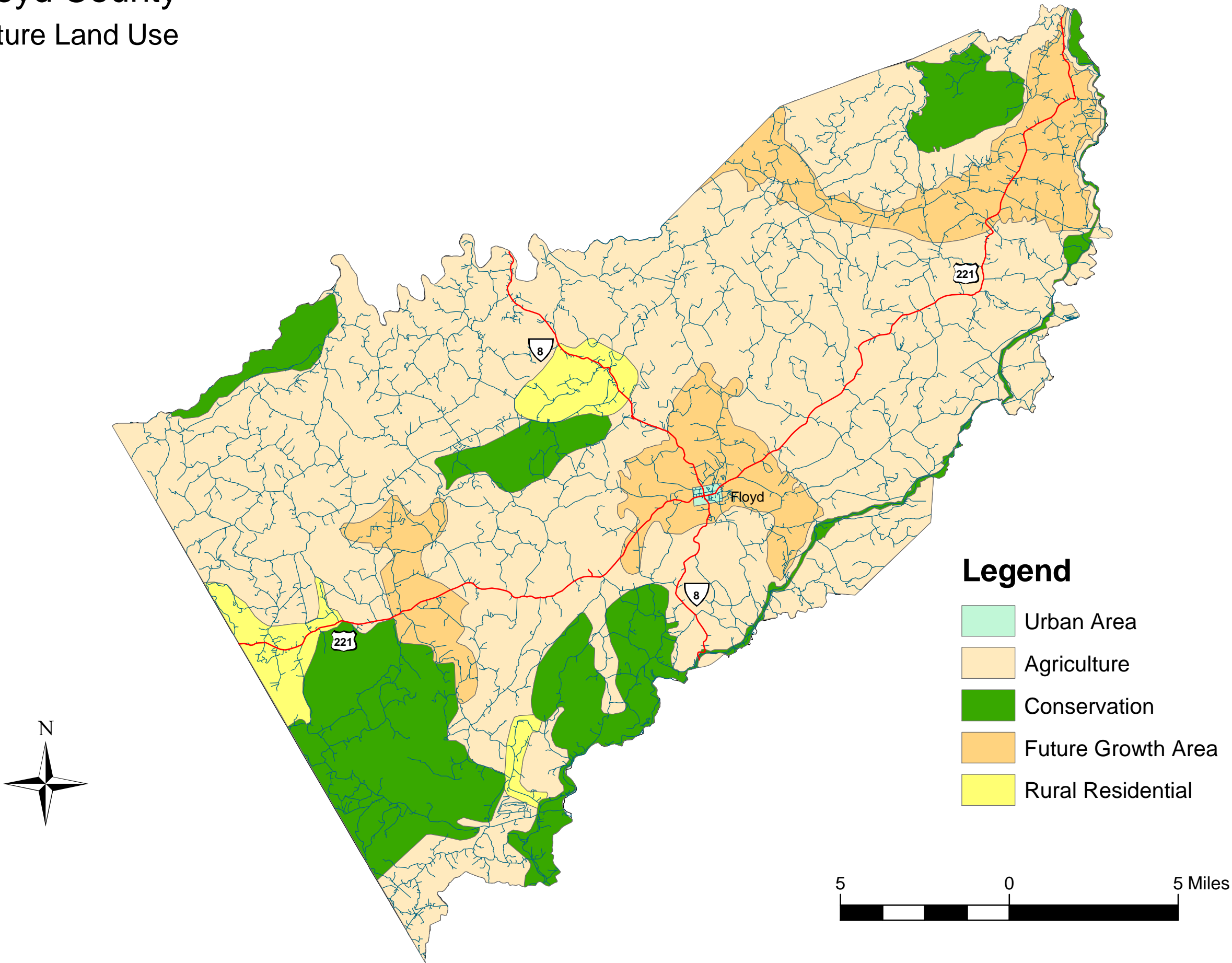
- Urban Residential
- Rural Residential
- Commercial\Industrial
- Agricultural 20-99 Acres
- Agricultural over 99 Acres
- Tax Exempt

Approximate scale: one inch equals three miles



# Floyd County

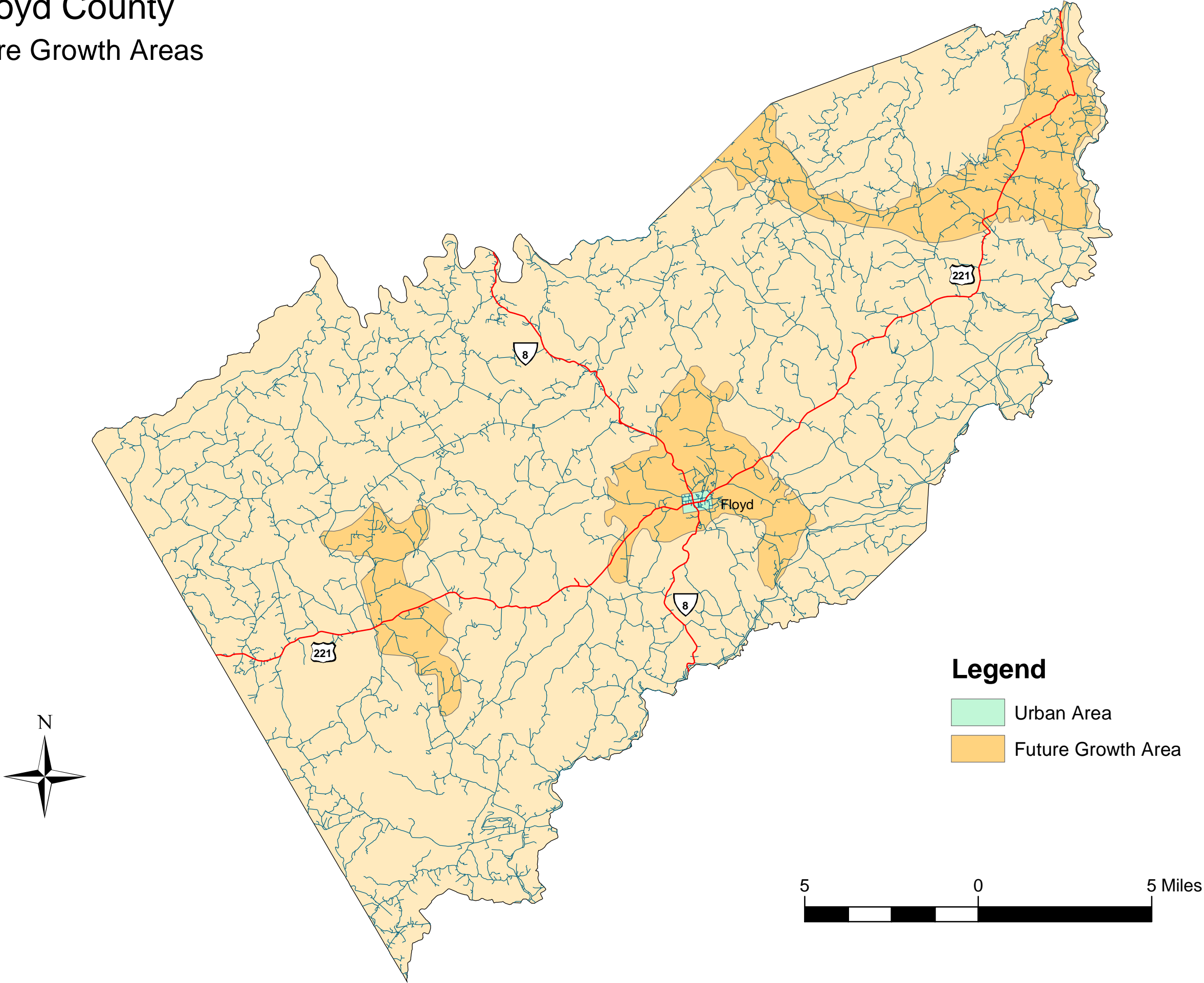
## Future Land Use





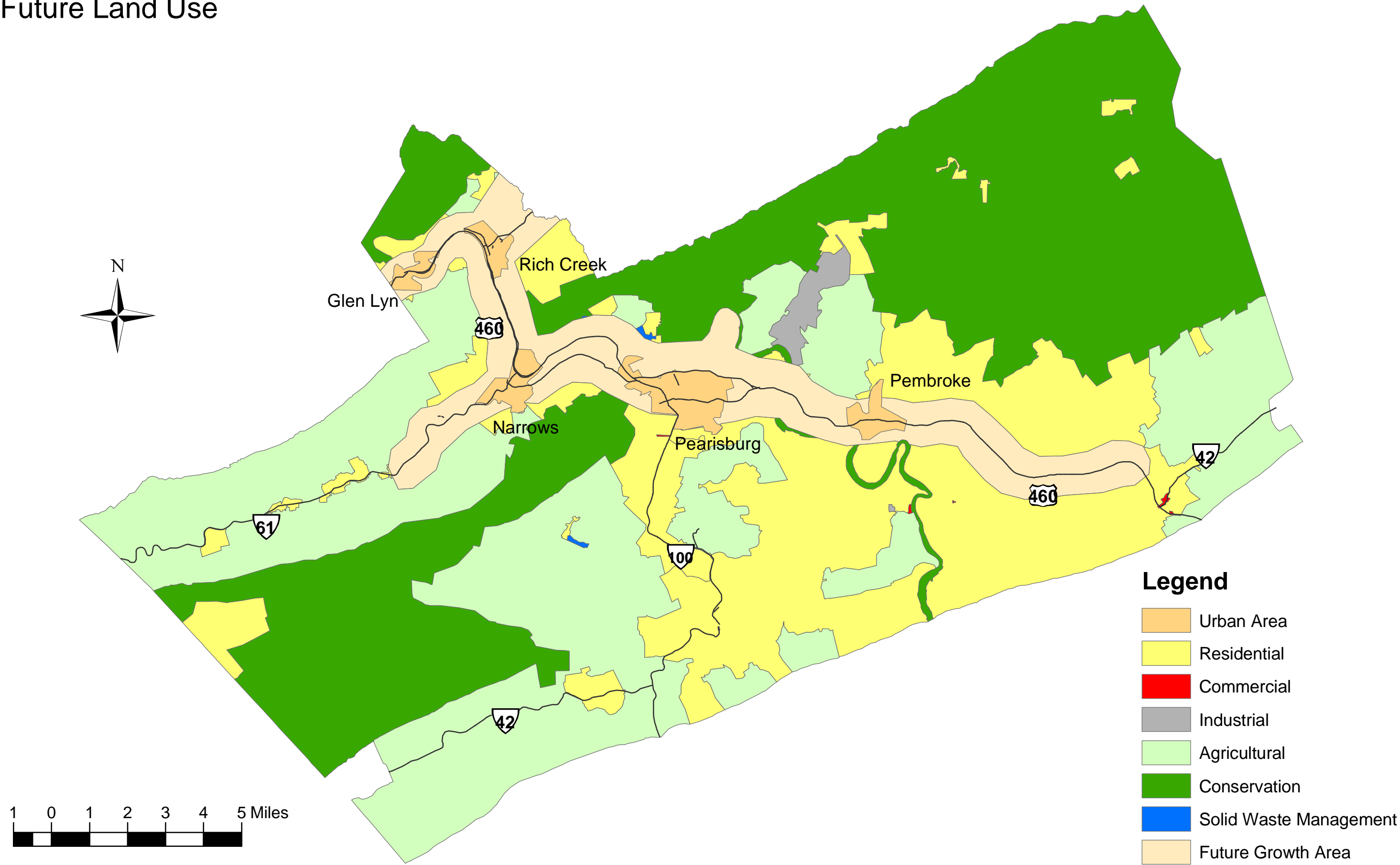
# Floyd County

## Future Growth Areas



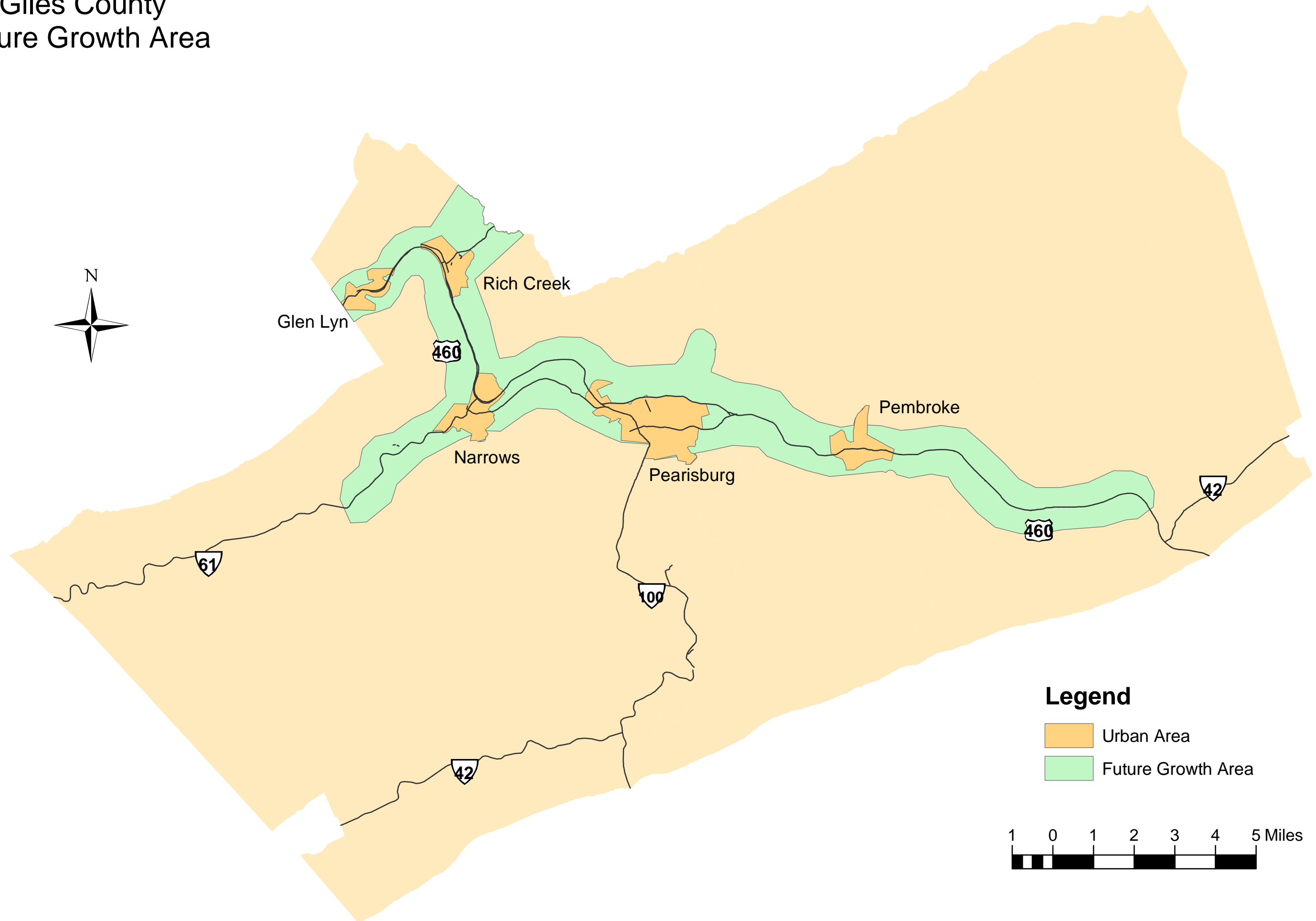


# Giles County Future Land Use





# Giles County Future Growth Area



## Legend

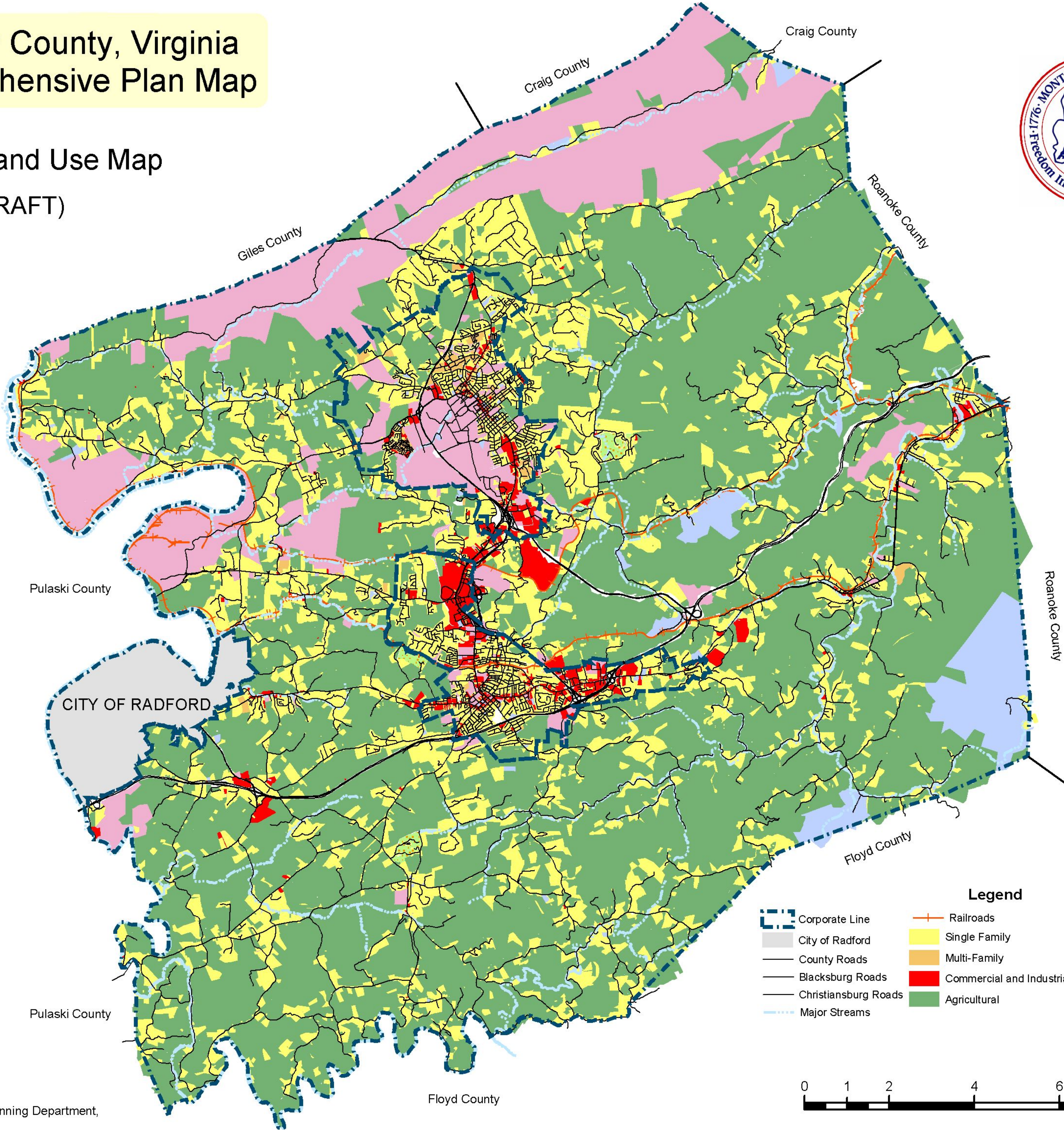
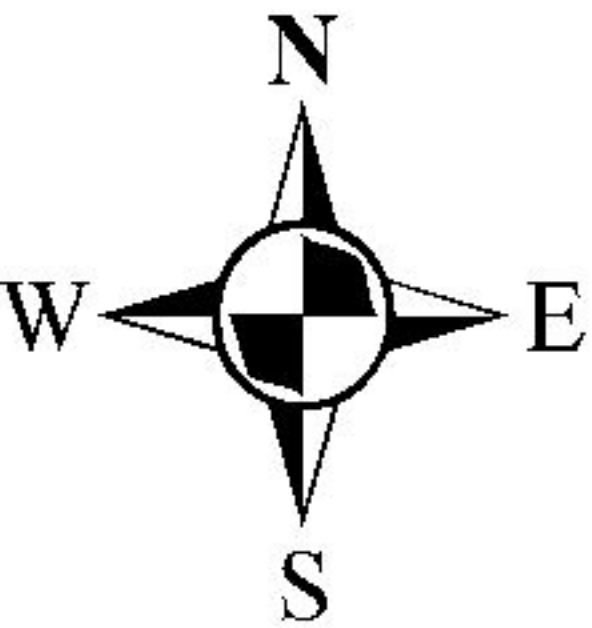
- Urban Area
- Future Growth Area

1 0 1 2 3 4 5 Miles

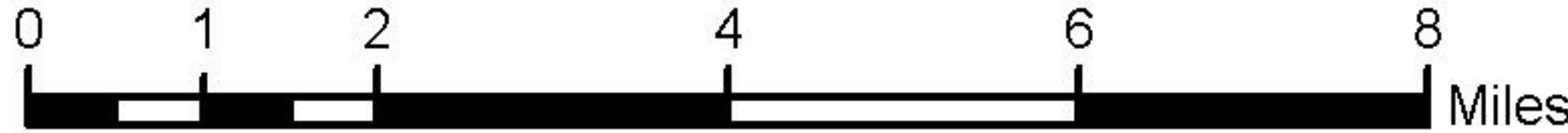


# Montgomery County, Virginia 2025 Comprehensive Plan Map

## Existing Land Use Map (DRAFT)



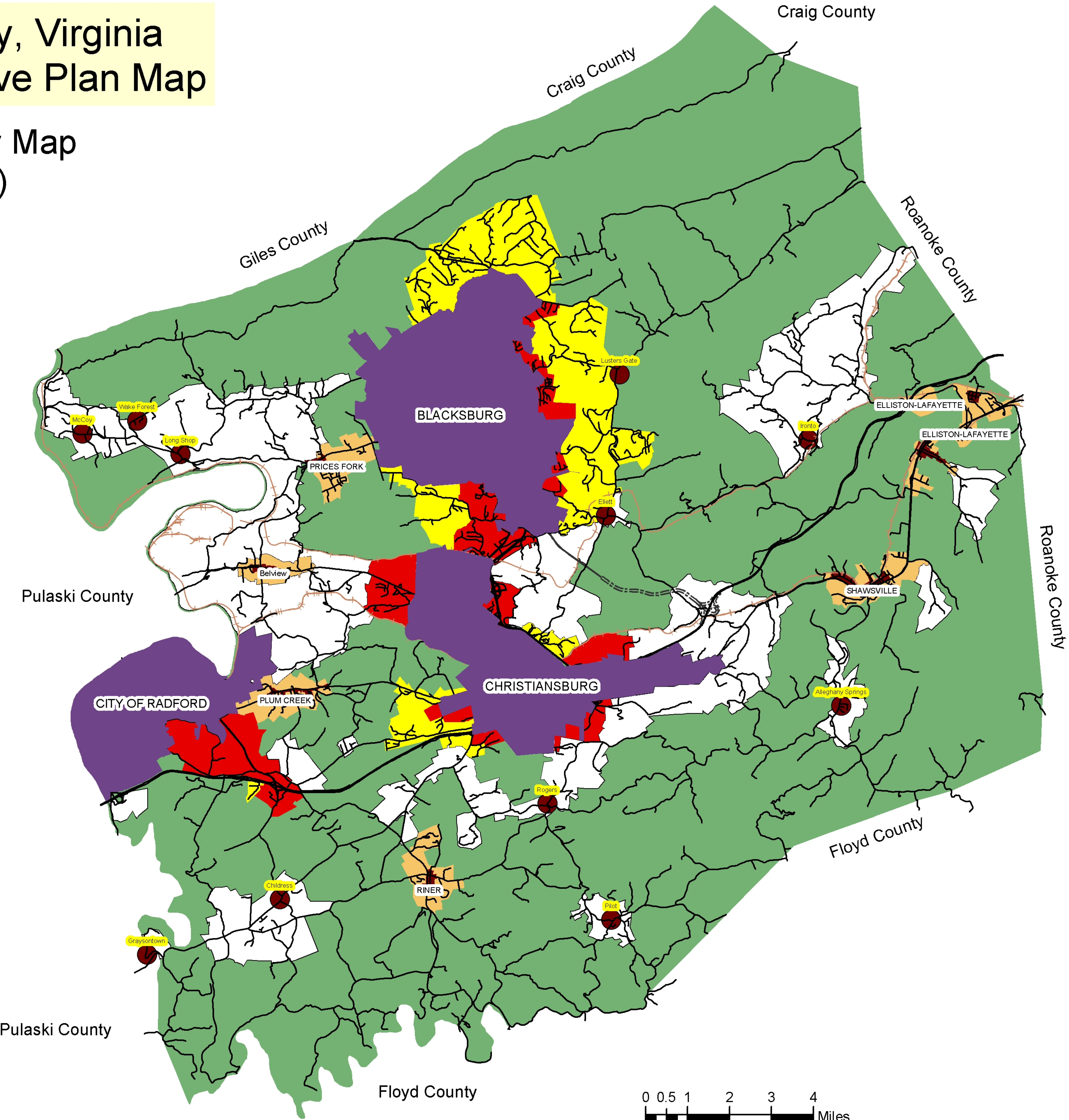
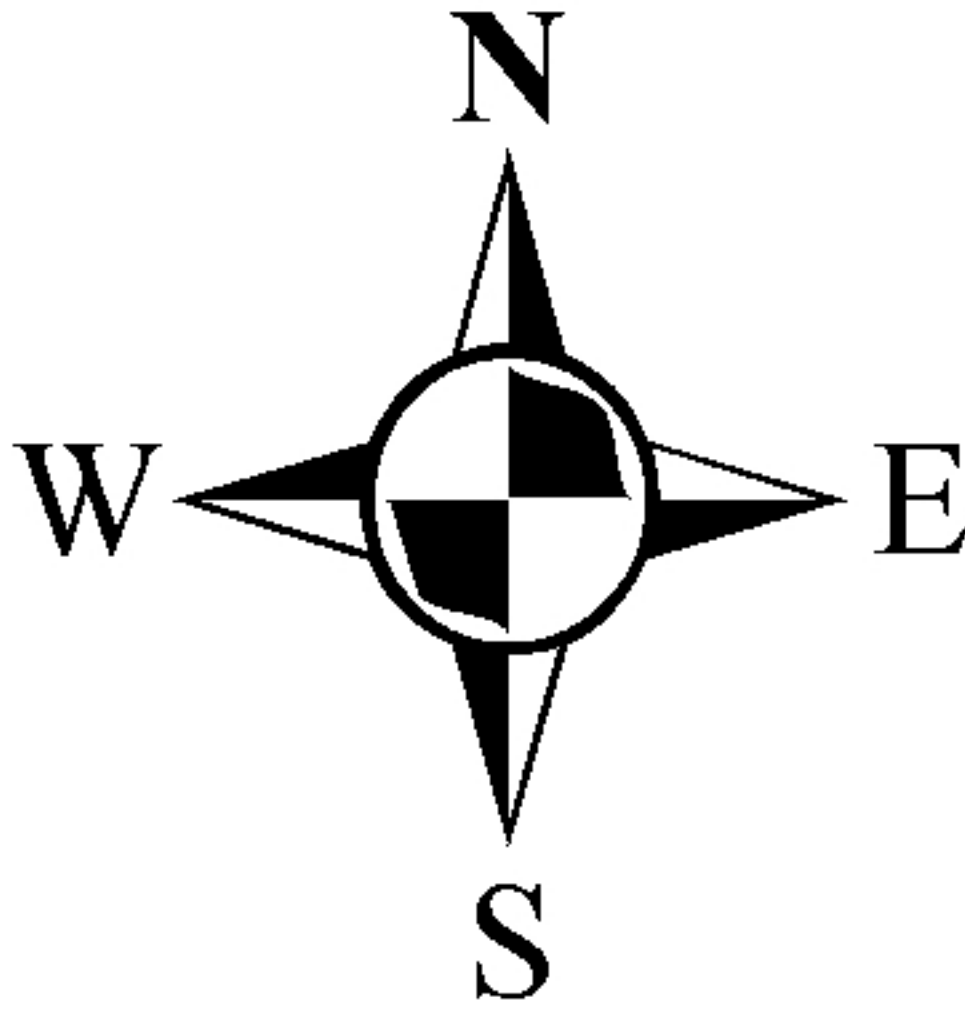
- Legend**
- |                      |                           |                               |
|----------------------|---------------------------|-------------------------------|
| Corporate Line       | Railroads                 | Government                    |
| City of Radford      | Single Family             | Religious and Charitable      |
| County Roads         | Multi-Family              | Common Area                   |
| Blacksburg Roads     | Commercial and Industrial | Highway/Railroad Right-of-Way |
| Christiansburg Roads | Agricultural              |                               |
| Major Streams        |                           |                               |





# Montgomery County, Virginia 2025 Comprehensive Plan Map

## Future Policy Map (DRAFT)



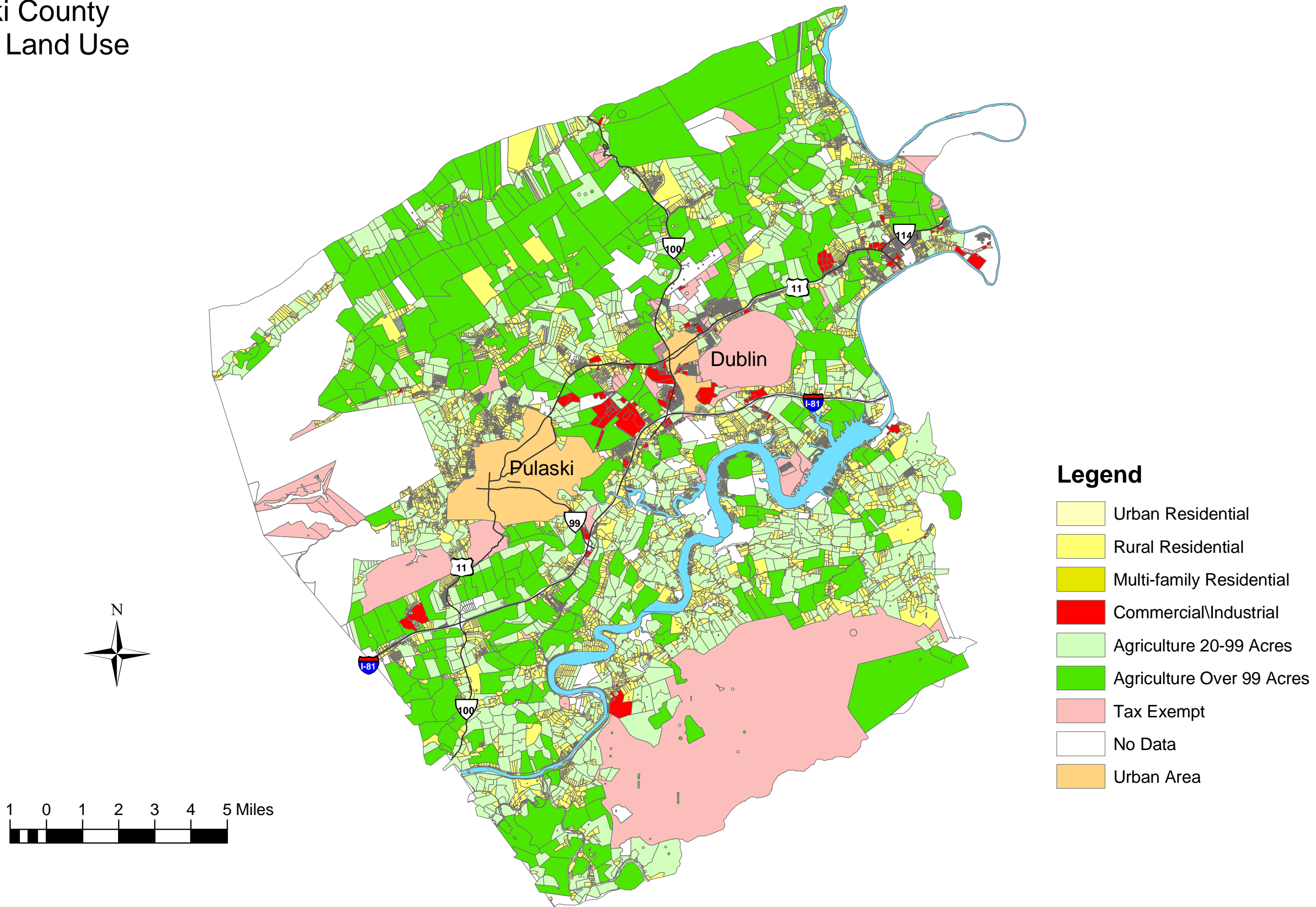
### Legend

- County Roads
- Smart Road
- Smart Road-Unfinished
- Railroads
- Resource Stewardship
- Rural
- Rural Communities
- Residential Transition
- Village Expansion
- Village Core
- Urban Expansion
- Municipalities



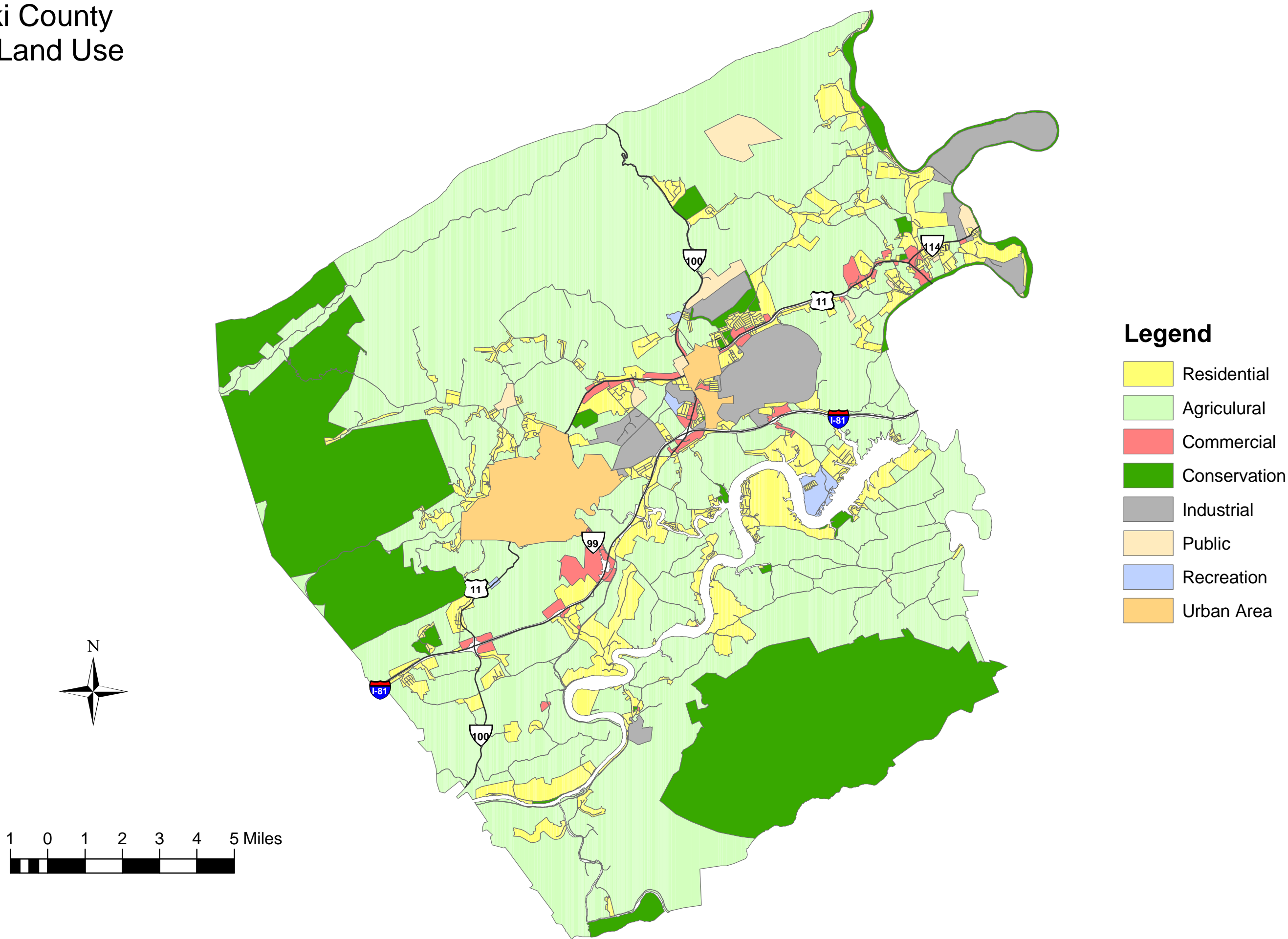


# Pulaski County Existing Land Use



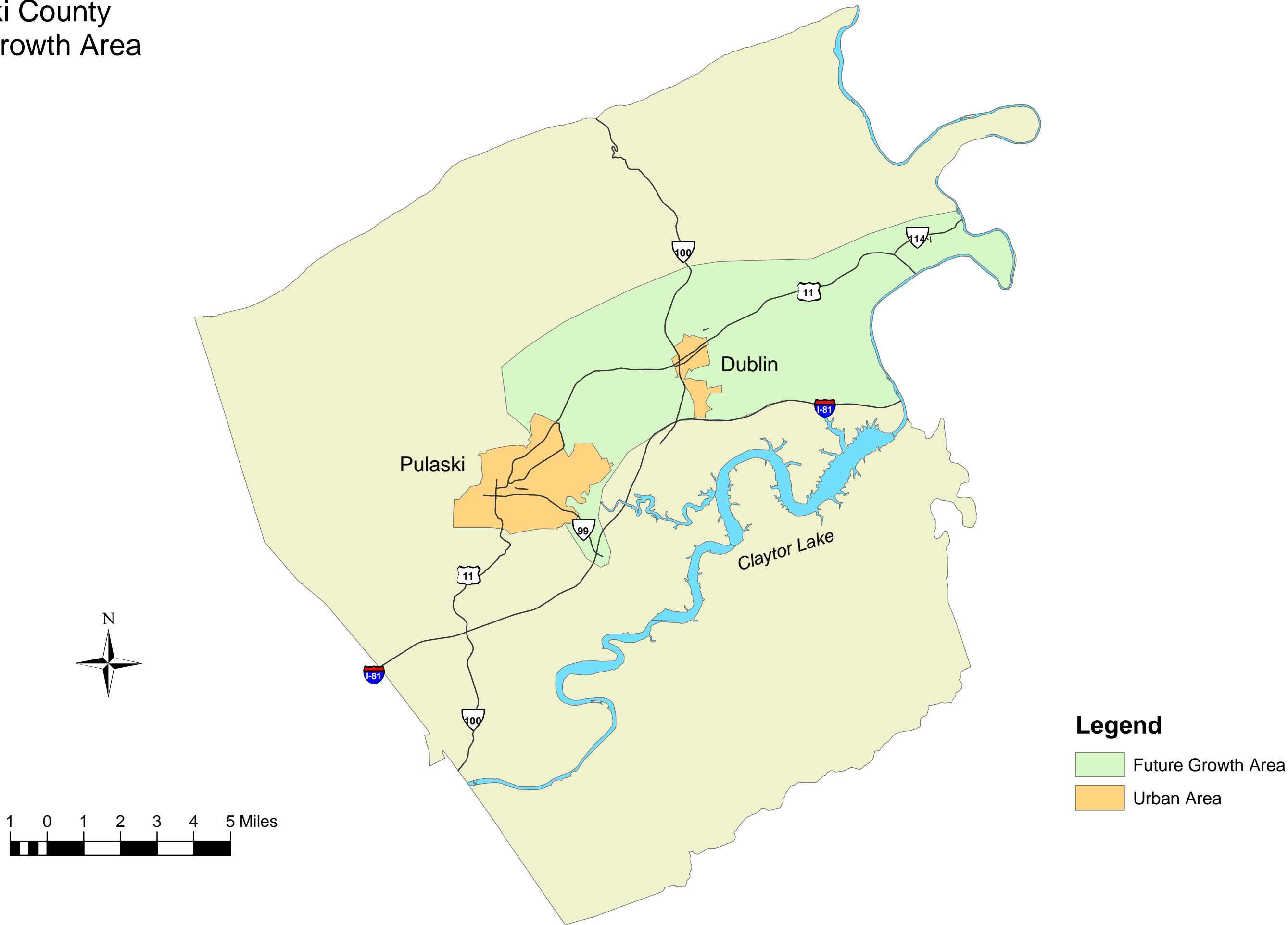


# Pulaski County Future Land Use





# Pulaski County Future Growth Area

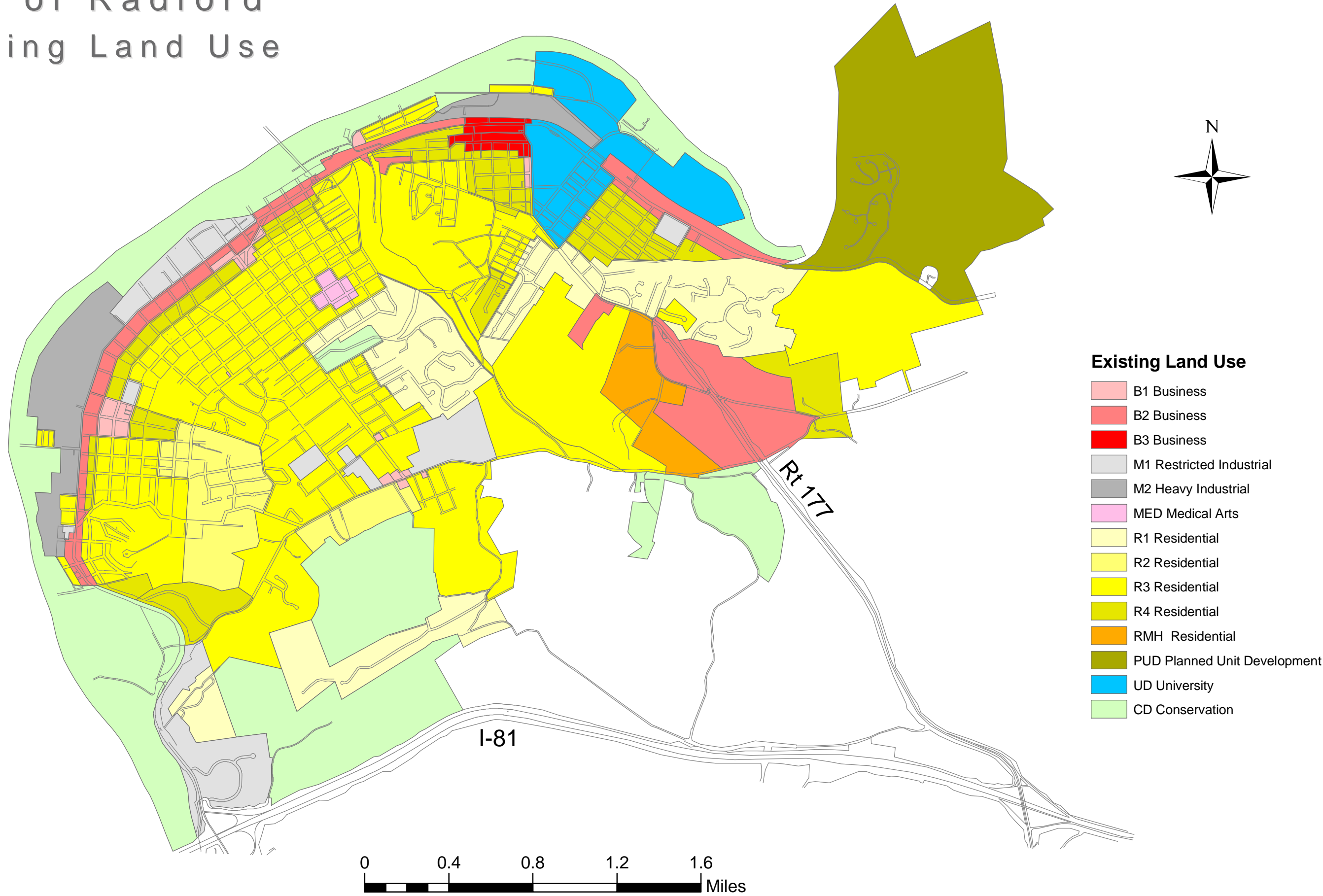


**Legend**

- Future Growth Area
- Urban Area



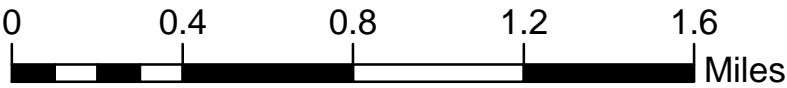
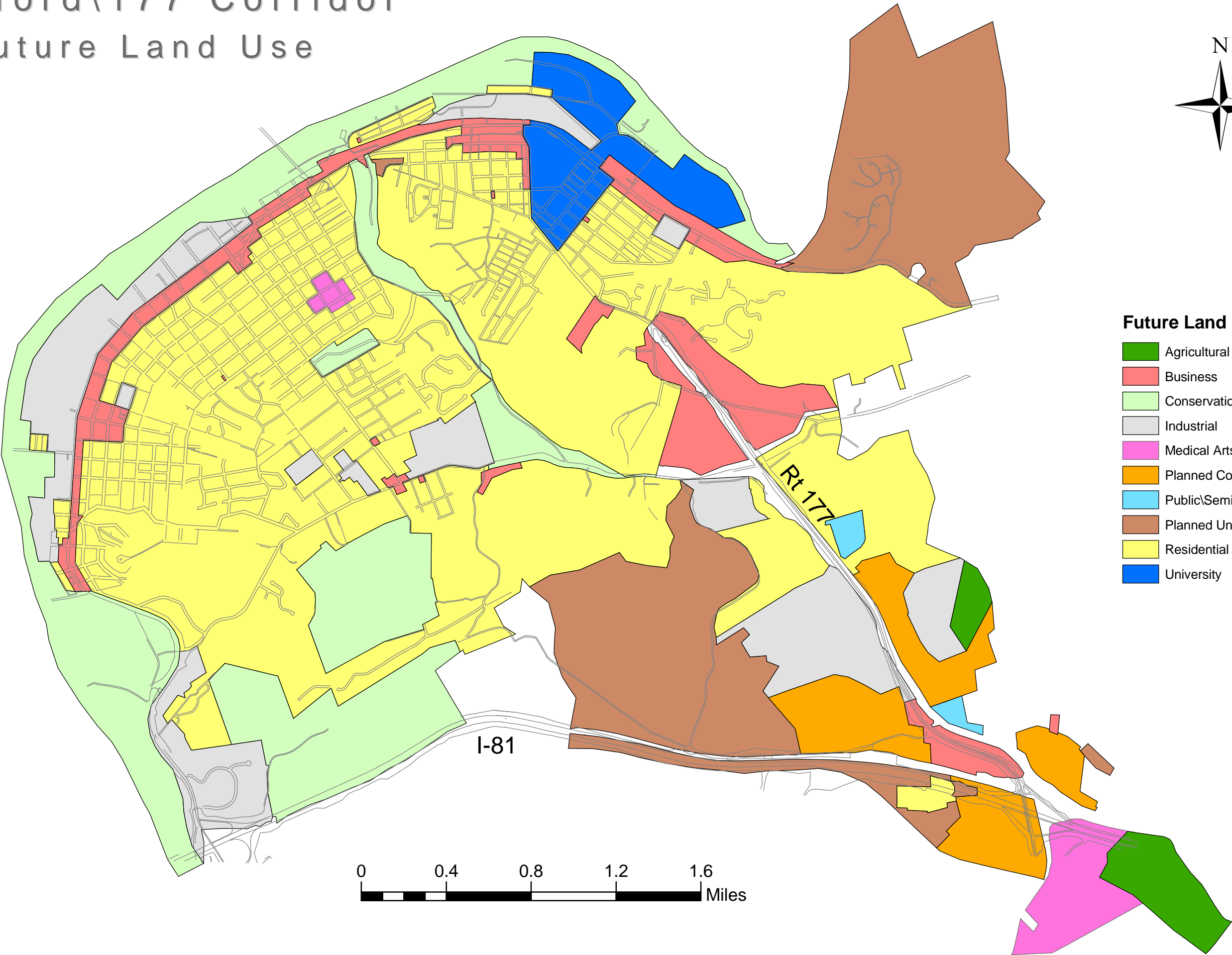
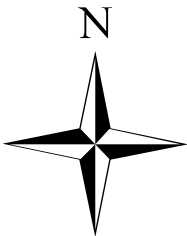
# City of Radford Existing Land Use





# Radford\177 Corridor

## Future Land Use

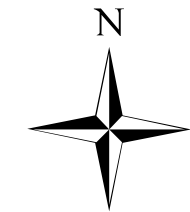




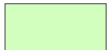


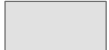
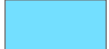


# Blacksburg, VA

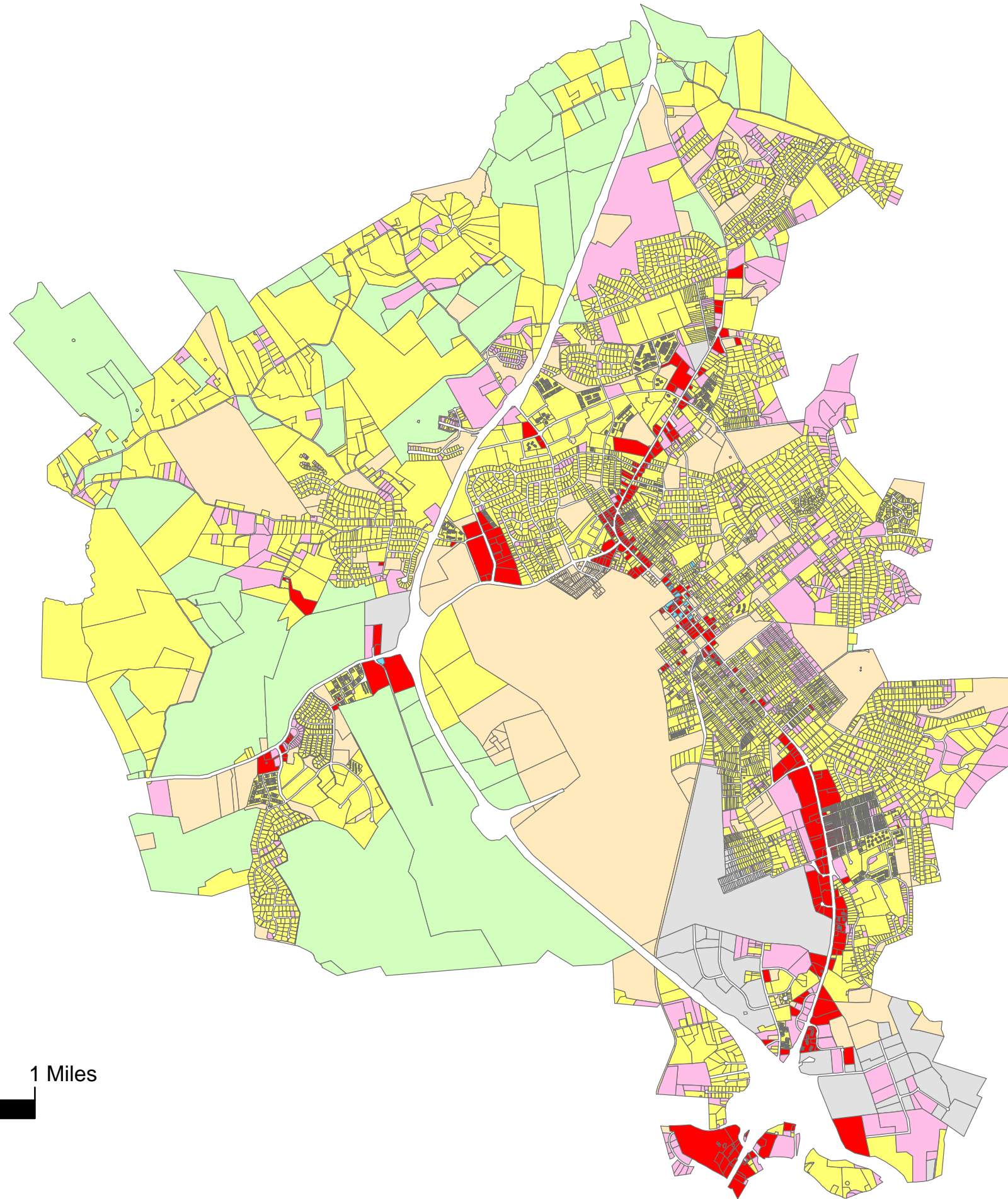
## Existing Land Use

1 0 1 Miles



### Legend

-  Agricultural
-  Residential
-  Commercial
-  Industrial
-  Mixed Use
-  Public
-  Vacant Land

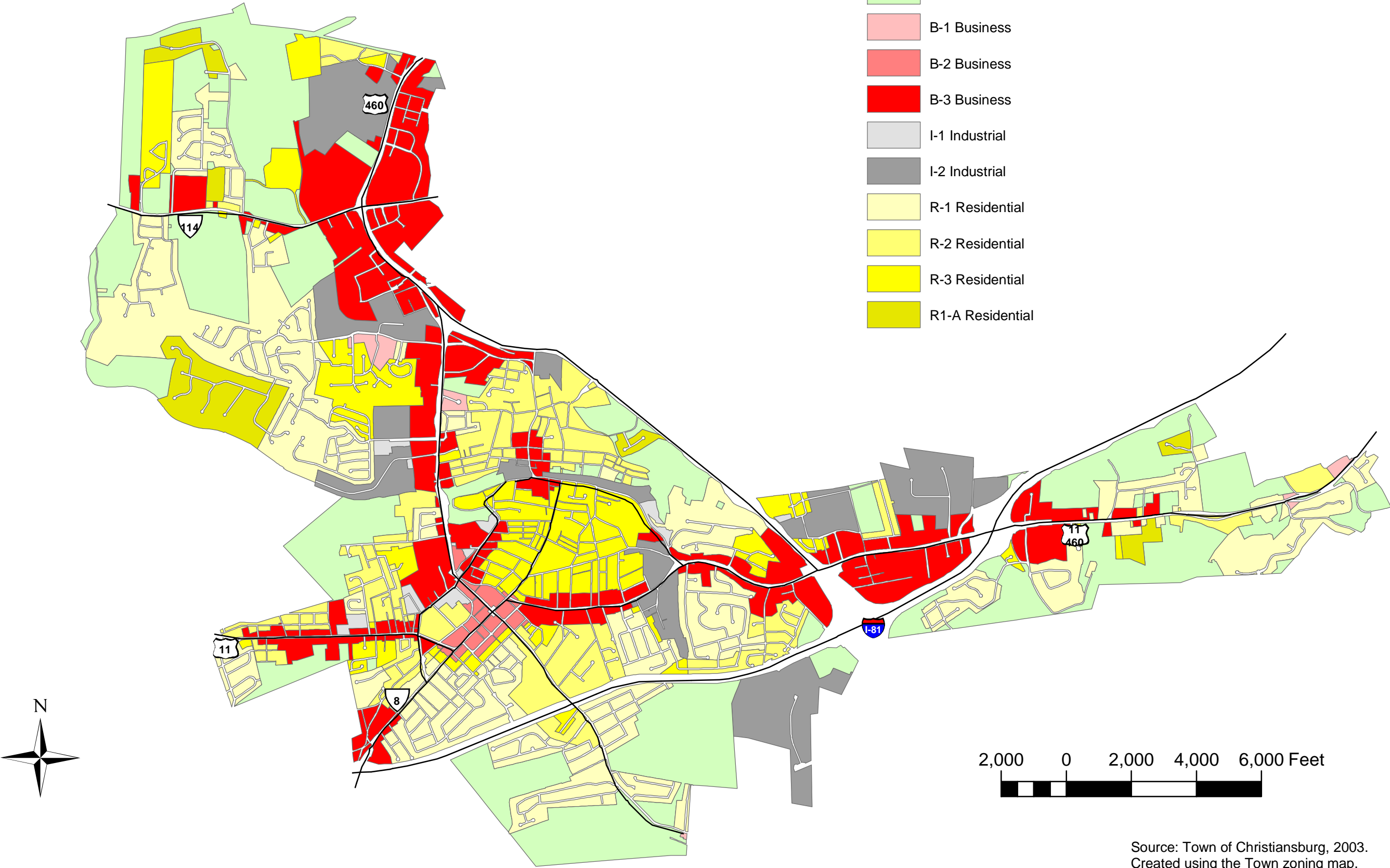




# Town of Christiansburg Existing Land Use

## Legend

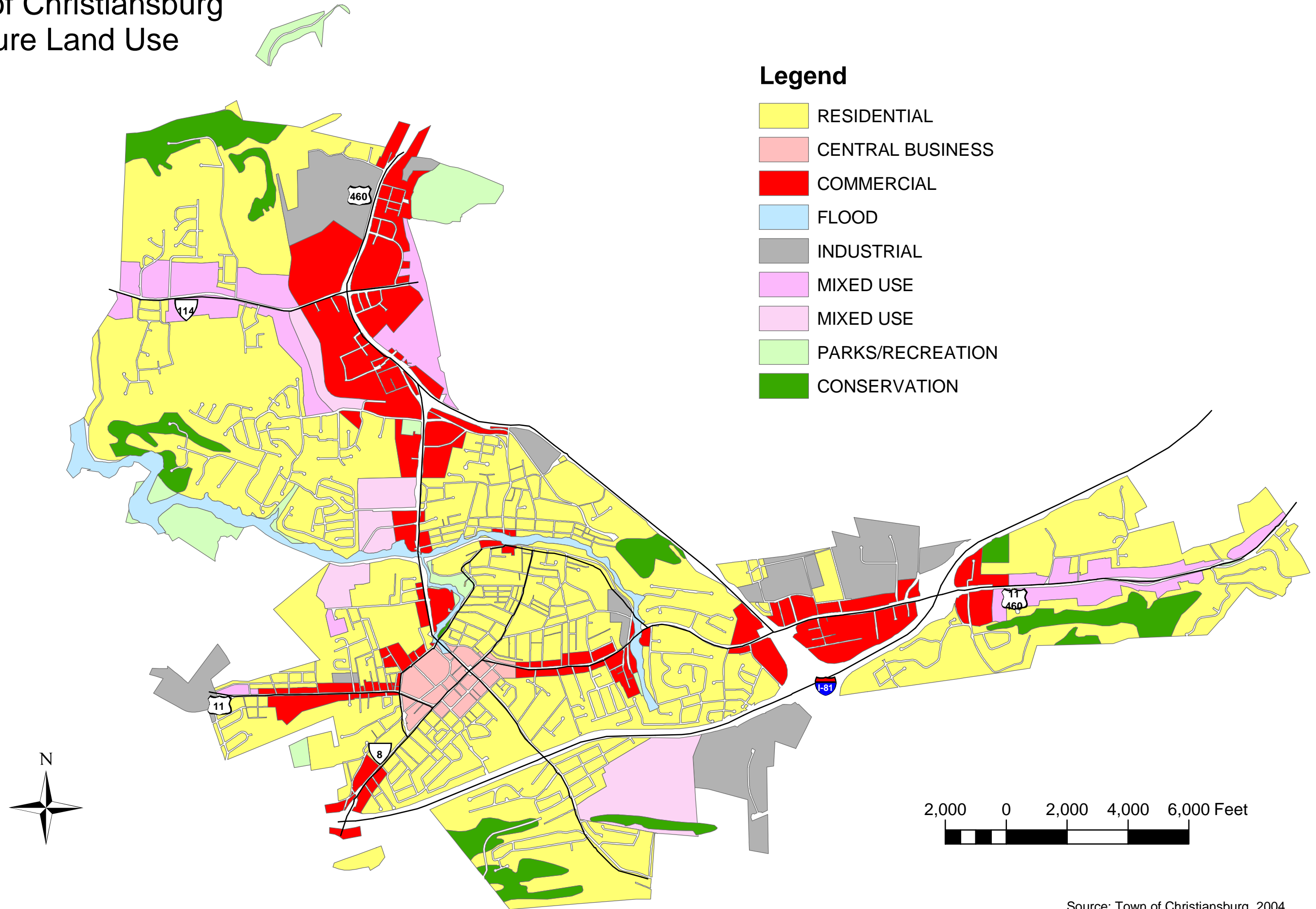
- A Agricultural
- B-1 Business
- B-2 Business
- B-3 Business
- I-1 Industrial
- I-2 Industrial
- R-1 Residential
- R-2 Residential
- R-3 Residential
- R1-A Residential



Source: Town of Christiansburg, 2003.  
Created using the Town zoning map.



# Town of Christiansburg Future Land Use



Source: Town of Christiansburg, 2004.



**FLOOD RISK ASSESSMENT MAPS\***

**Giles County:**

- Town of Glen Lyn
- Town of Pearisburg
- Town of Pembroke
- Town of Rich Creek

**Montgomery County**

- Eastern Montgomery County
- Plum Creek

**Town of Blacksburg**

**Town of Christiansburg**

**Pulaski County**

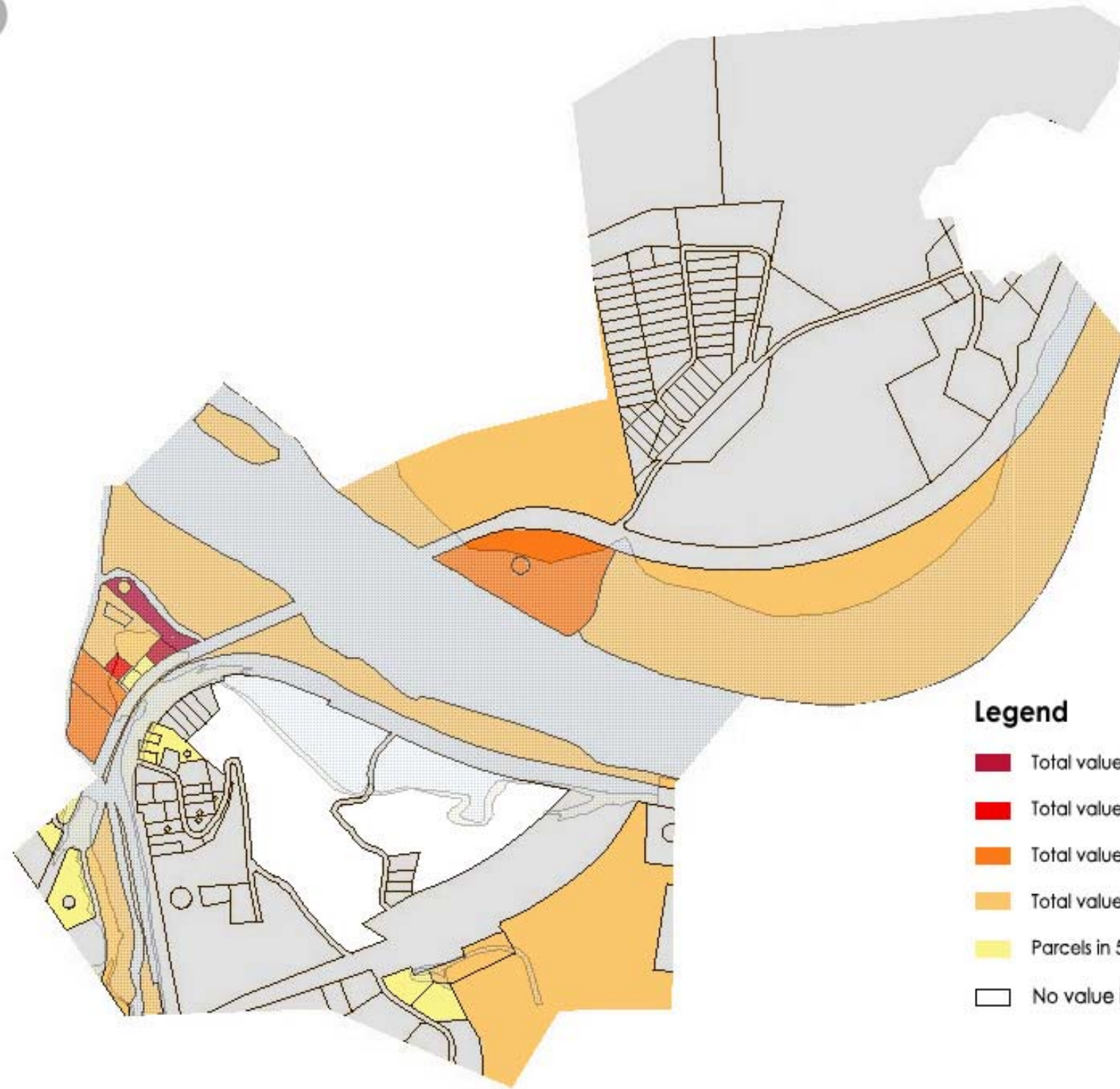
- Big Reed Island Creek Area
- Little Walker Creek Area

\*Note that maps are not uniform, as the level and type of data available varies by jurisdiction.





## Risk Assessment Map-Town of Glen Lyn



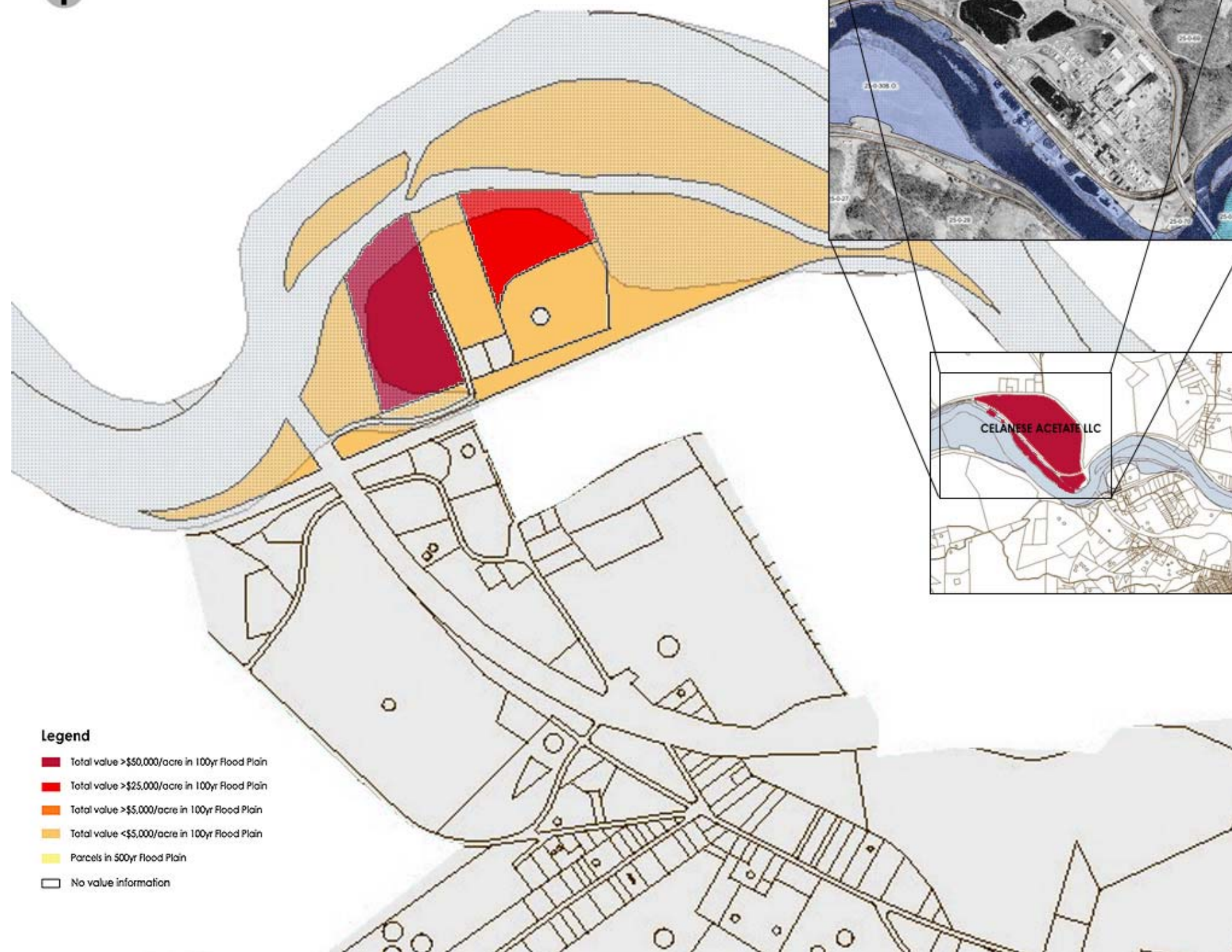
### Legend

- Total value >\$50,000/acre in 100yr Flood Plain
- Total value >\$25,000/acre in 100yr Flood Plain
- Total value >\$5,000/acre in 100yr Flood Plain
- Total value <\$5,000/acre in 100yr Flood Plain
- Parcels in 500yr Flood Plain
- No value information










## Risk Assessment Map-Town of Pearisburg

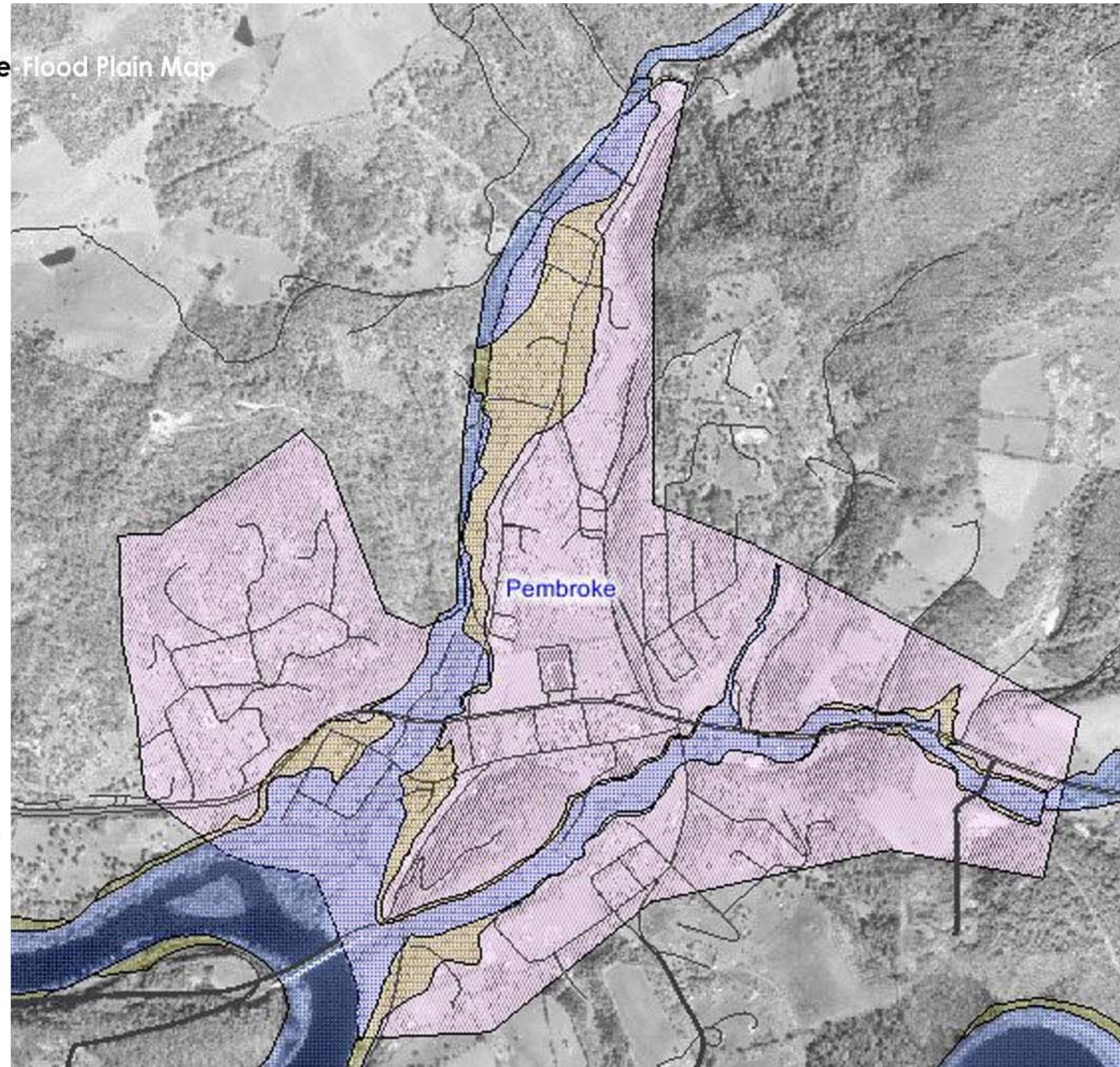




# Town of Pembroke Flood Plain Map

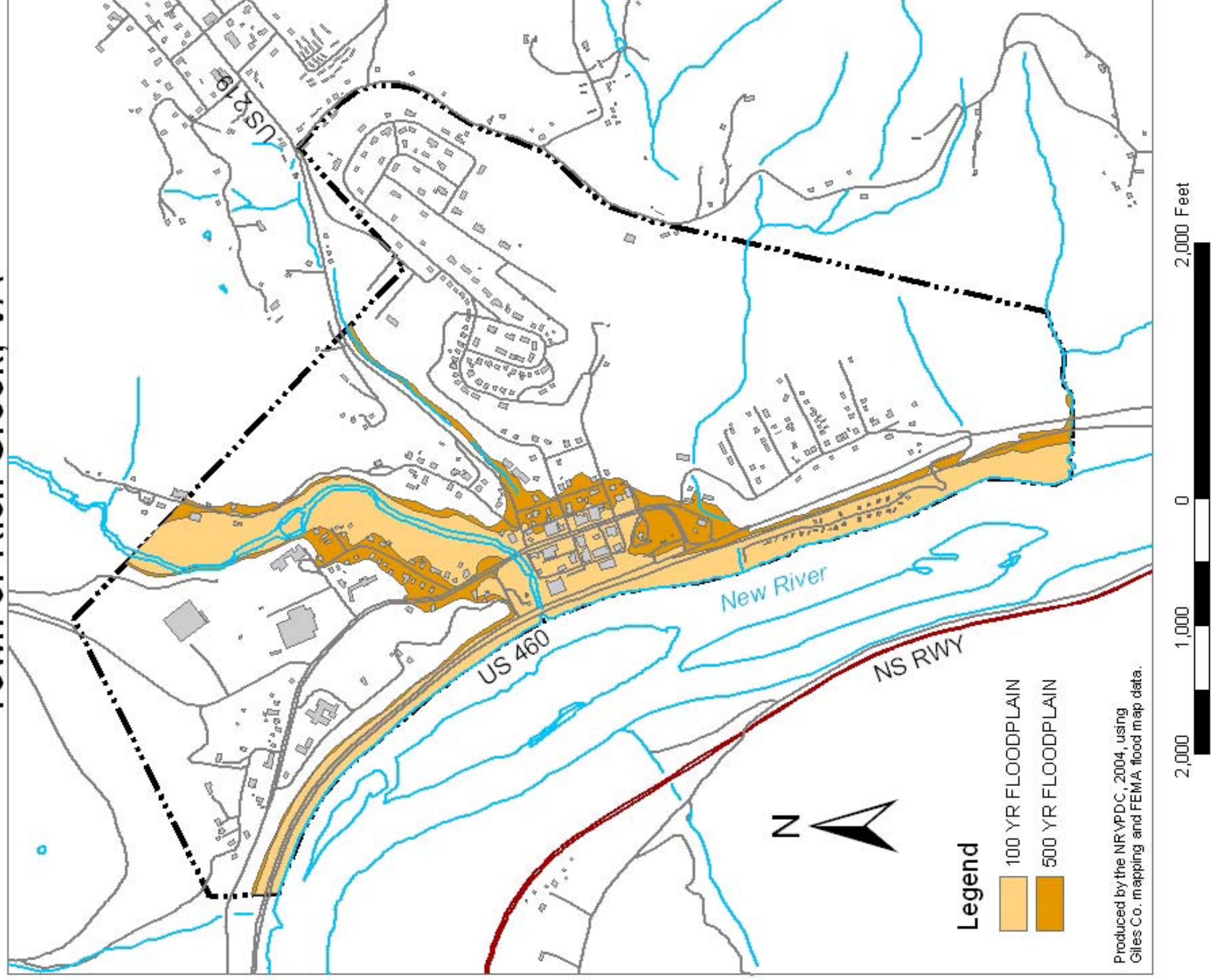
## Legend

-  Roads
-  Floodplain (Floodzone)
-  A
-  B
-  Other





# Town of Rich Creek, VA





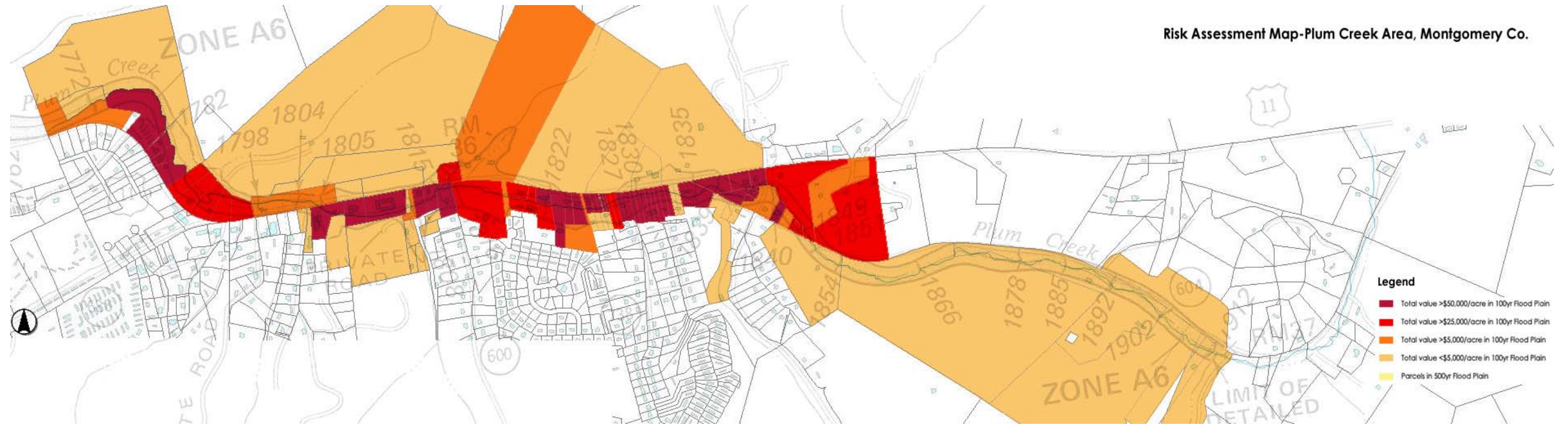
**z** ←



Total value >\$50,000/acre in 100yr Flood Plain  
Total value >\$25,000/acre in 100yr Flood Plain  
Total value >\$5,000/acre in 100yr Flood Plain  
Total value <\$5,000/acre in 100yr Flood Plain  
Parcels in 500yr Flood Plain



Risk Assessment Map-Plum Creek Area, Montgomery Co.

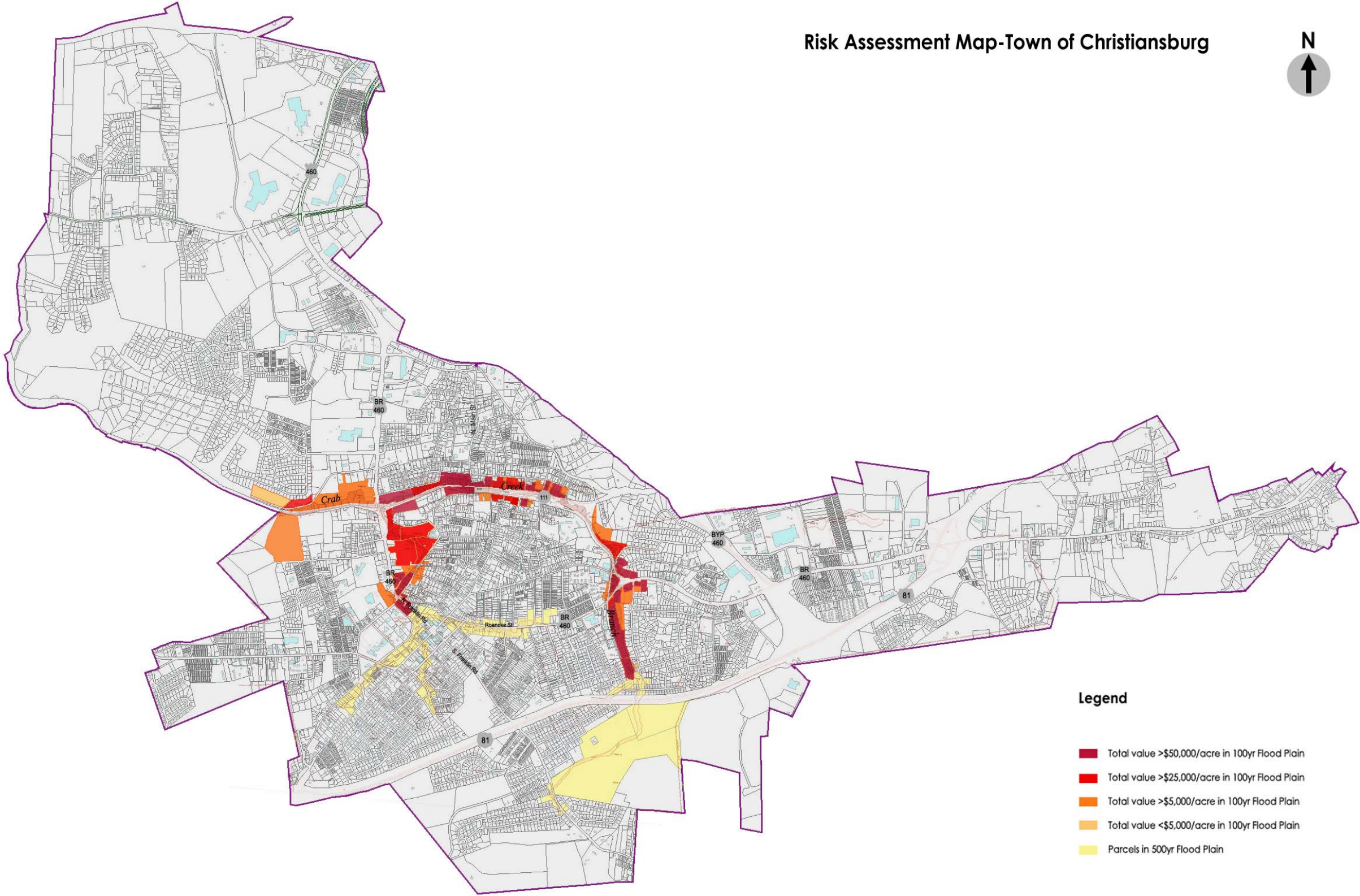




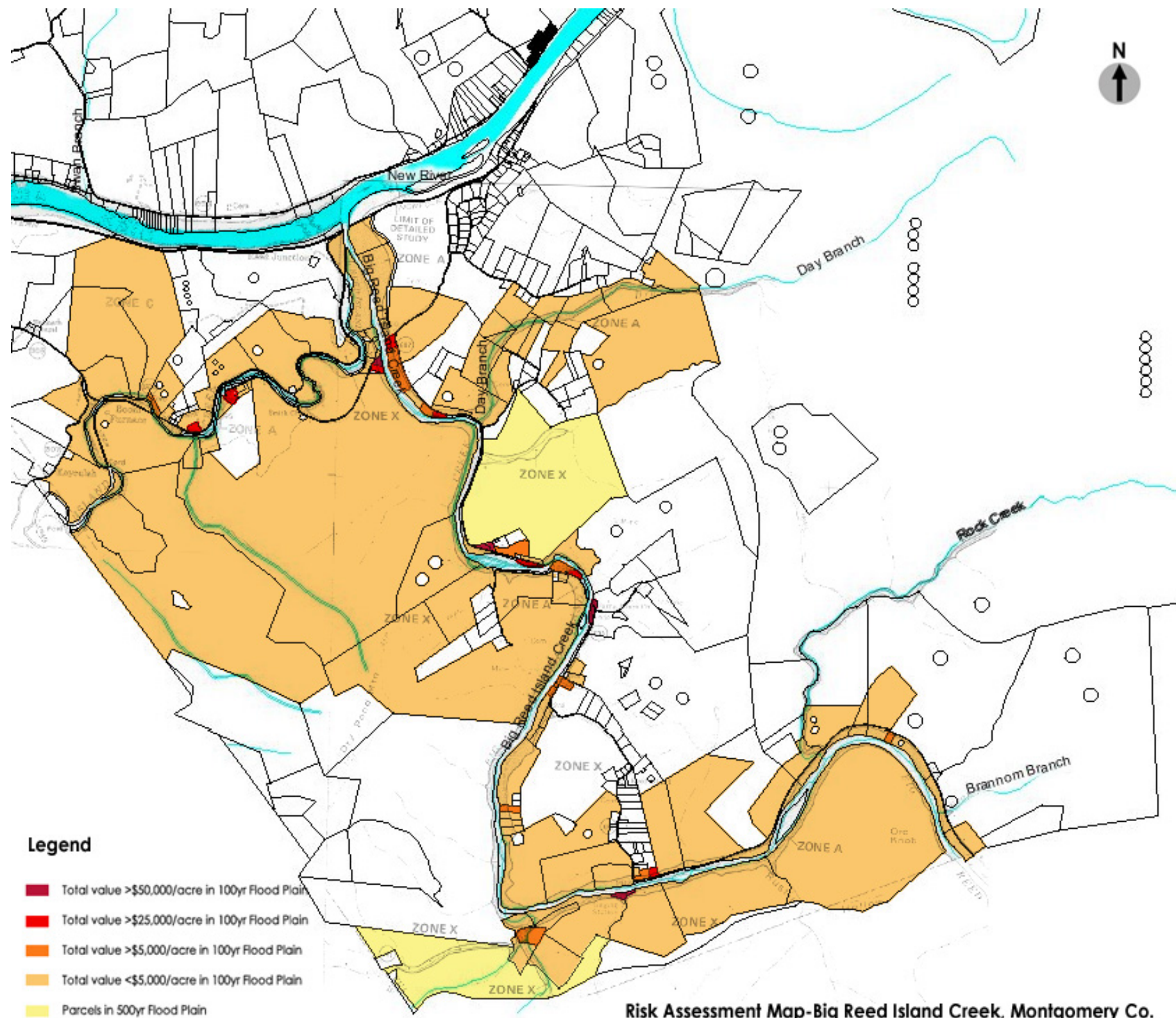




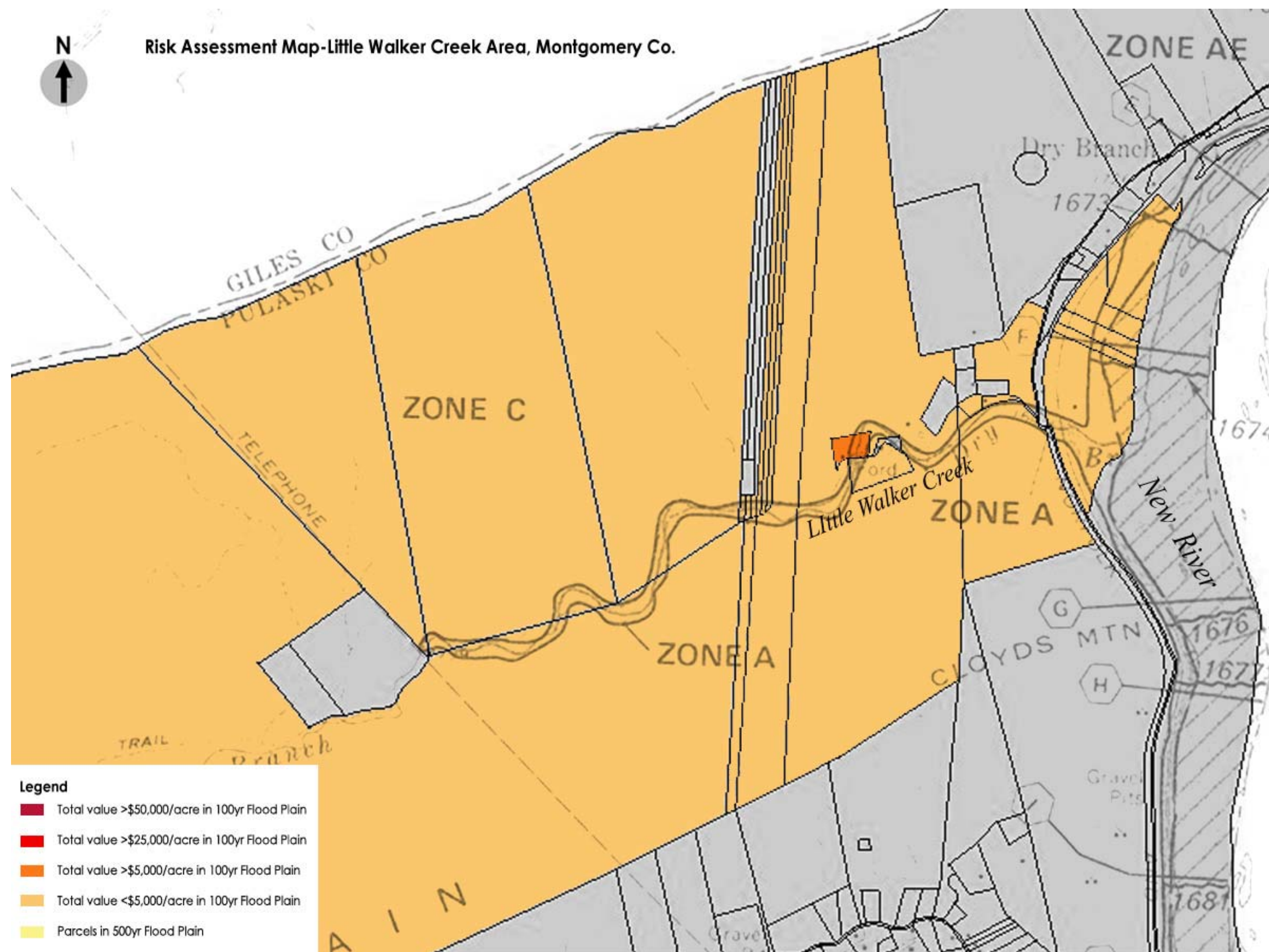
Risk Assessment Map-Town of Christiansburg













**DROUGHT: FLOYD COUNTY REPLACEMENT WELL PERMITS**

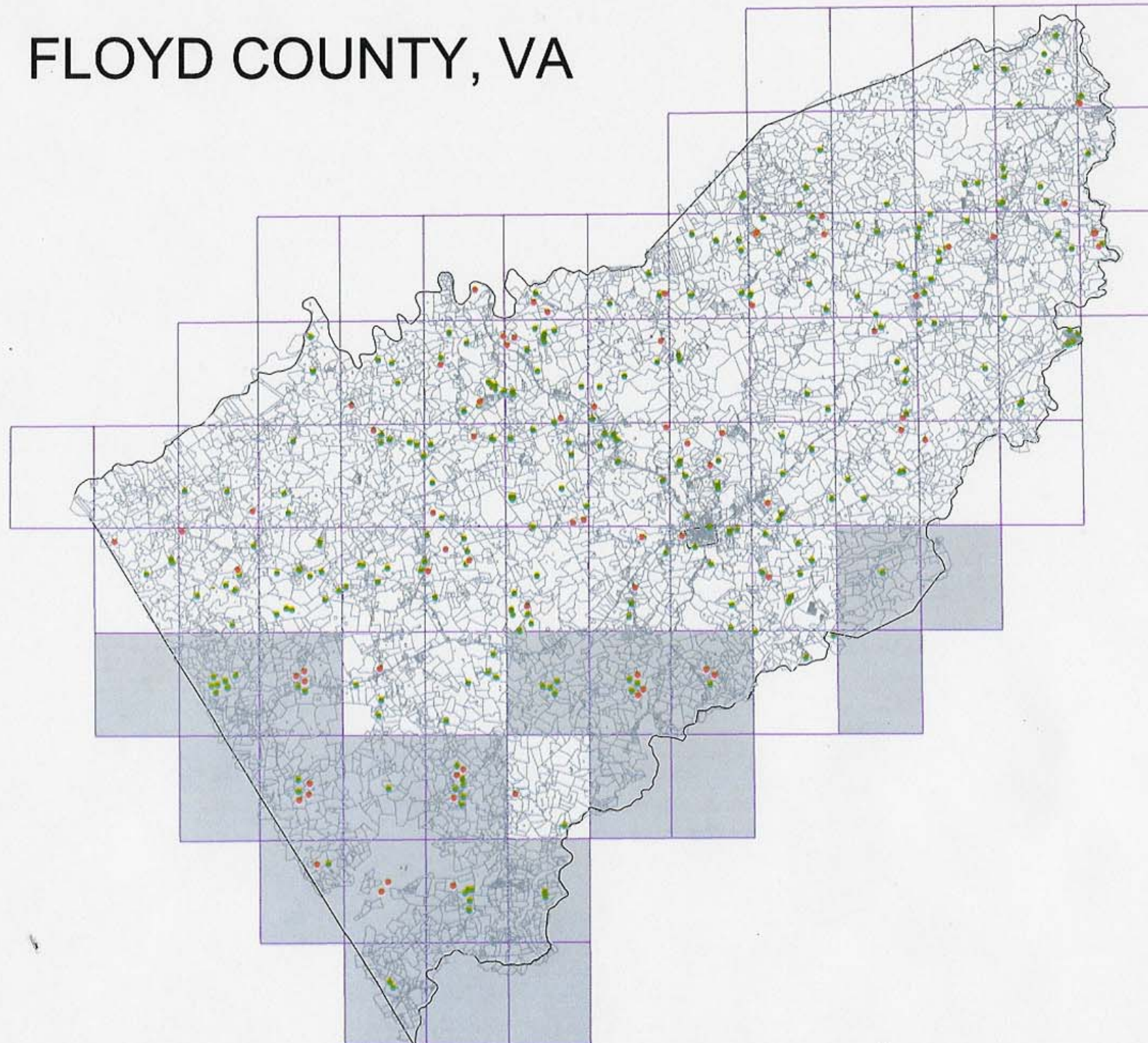
**Sample of New vs. Replacement Wells from Floyd County**

**Sample of Well Depths from Floyd County**

**Sample of Low-Yield Wells from Floyd County**



# FLOYD COUNTY, VA



SAMPLE of New vs. Replacement Wells  
Floyd County, Virginia

WELL TYPE  
• NEW WELL  
• REPLACEMENT

WELL DATA NOT TIED TO SPECIFIC PARCELS.



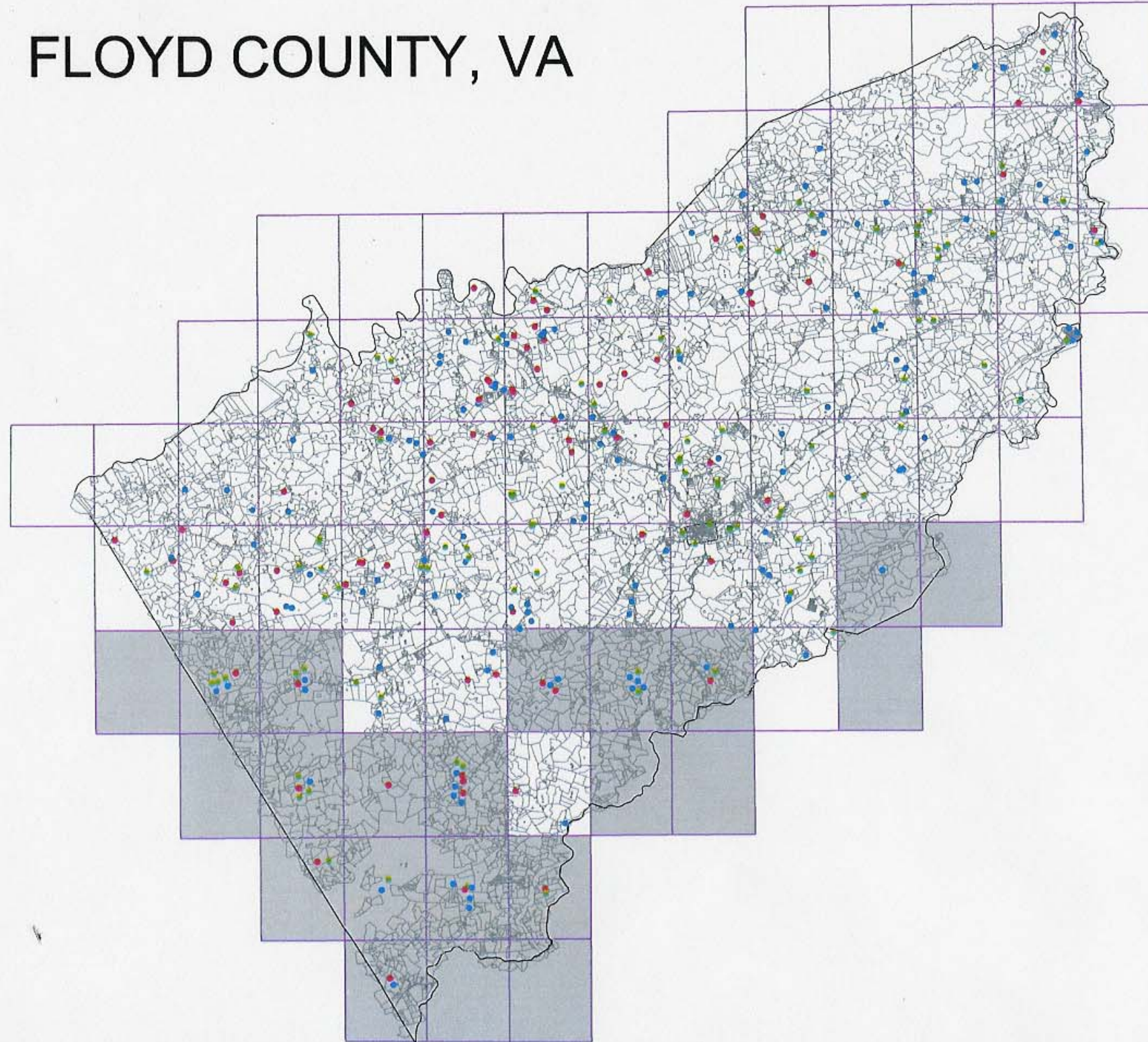
SAMPLE of Floyd County Wells,  
Permitted Jan., 2000 to Mar., 2002  
Collected by VT/STEP interns for NRVPC

0 8  
SCALE IN MILES

Map base: Floyd County Tax Parcel Mapping.



# FLOYD COUNTY, VA

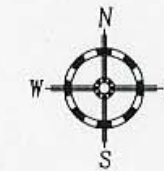


SAMPLE of Well Depths  
Floyd County, Virginia

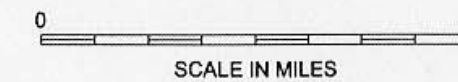
## WELL DEPTH

- 1-200'
- 201-400'
- OVER 400'

WELL DATA NOT TIED TO SPECIFIC PARCELS.



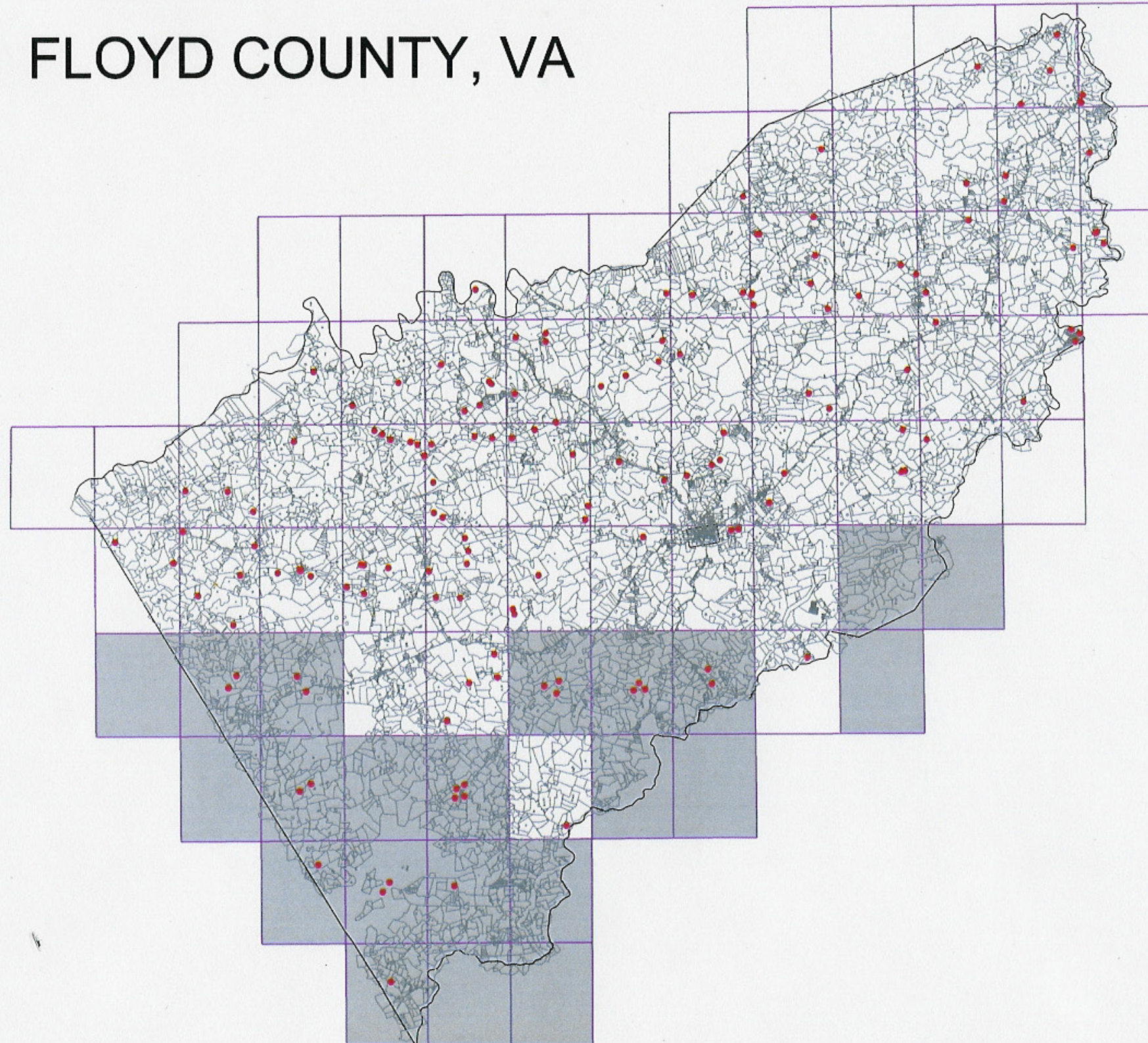
SAMPLE of Floyd County Wells,  
Permitted Jan., 2000 to Mar., 2002  
Collected by VT/STEP Interns for NRPDC



Map base: Floyd County Tax Parcel Mapping.



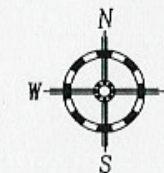
# FLOYD COUNTY, VA



SAMPLE of Low-Yield Wells (5gpm or less)  
Floyd County, Virginia

WELL YIELD  
• 5 GPM OR LESS

WELL DATA NOT TIED TO SPECIFIC PARCELS.



SAMPLE of Floyd County Wells,  
Permitted Jan., 2000 to Mar., 2002  
Collected by VT/STEP Interns for NRVPCD

0 8  
SCALE IN MILES

Map base: Floyd County Tax Parcel Mapping.